

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/722,620		
		Filing Date	November 26, 2003		
		First Named Inventor	Richard J. Melker		
		Art Unit	2684		
Examiner Name	Not yet assigned				
Sheet	1	of	2	Attorney Docket Number	UF-246XCD1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>MT</i>	U1	US-2005/0037374 A1	02-17-2005	Melker <i>et al.</i>	All
<i>MT</i>	U2	US-2003/0185760 A1	10-02-2003	Lanza <i>et al.</i>	All
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³	Number ⁴ - Kind Code ⁵ (if known)				
<i>MT</i>	F1	WO	2005/033707 A1	04-14-2005	Melker <i>et al.</i>	All	
<i>MT</i>	F2	WO	2004/037316 A2	05-06-2004	Dennis <i>et al.</i>	All	
	F3						
	F4						
	F5						
	F6						
	F7						

Examiner Signature	<i>Mark T. [Signature]</i>	Date Considered	07/10/07
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/722,620	
			Filing Date	November 26, 2003	
			First Named Inventor	Richard J. Melker	
			Group Art Unit	2684	
			Examiner Name	Not yet assigned	
Sheet	2	of	2	Attorney Docket Number	UF-246XCD1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	R1	ARVANITAKIS, C. et al., "Lactase Deficiency- a Comparative Study of Diagnostic Methods", <i>The American Journal of Clinical Nutrition</i> , October 30, 1977, pp. 1597-1602, Vol. 10.	
	R2	BARKLEY, J. et al., "Gas Chromatography Mass Spectrometry Computer Analysis of Volatile Halogenated Hydrocarbons in Man and His Environment- A Multimedia Environmental Study", <i>Biomedical Mass Spectrometry</i> , 1980, pp. 139-147, Vol. 7, No.4, Heyden & Son Ltd.	
	R3	CASPARY, W. F., "Breath Tests", <i>Clinics in Gastroenterology</i> , May 1978, pp. 351-374, Vol. 7, No. 2.	
	R4	CONKLE, J. P. et al., "Trace Composition of Human Respiratory Gas", <i>Arch Environ Health</i> , June 1975, pp.290-295, Vol. 30	
	R5	GAGE, J.C. et al., "A Method for the Determination of Low Concentrations of Organic Vapours in Air and Exhaled Breath", <i>Ann. occup. Hyg.</i> , 1977, pp. 127-134, Vol. 20, Pergamon Press, Great Britain.	
	R6	KROTOSZYNSKI, B. et al., "Characterization of Human Expired Air: A Promising Investigative and Diagnostic Technique", <i>J. Chromatogr. Sci.</i> , July 1977, pp. 239-244, Vol. 15.	
	R7	MAUGH, T.H., "Separations by MS Speed Up, Simplify Analysis", <i>Science, New Series</i> , August 8, 1980, pp. 675-677, Vol. 209, No. 4457, American Association for the Advancement of Science.	
	R8	MCLAFFERTY, F., "Tandem Mass Spectrometry", <i>Science, New Series</i> , October 16, 1981, pp. 280-287, Vol. 214, No. 4518, American Association for the Advancement of Science.	
	R9	O'NEILL et al., "A Computerized Classification Technique for Screening for the Presence of Breath Biomarkers on Lung Cancer", <i>Clinical Chemistry</i> , 1988, pp.1613-1618, Vol. 34, No. 8.	
	R10	PHILLIPS, M., "Breath Tests in Medicine", <i>Scientific American</i> , July 1992, pp.74-79.	
	R11	SCHWABE, A.D. et al., "Breath Tests for the Detection of Fat Malabsorption", <i>Gastroenterology</i> , January 1979, pp. 216-218, Vol. 76, No. 1	
	R12	YOST, R.A. et al., "Triple Quadruple Mass Spectrometry for Direct Mixture and Analysis and Structure Elucidation", <i>Analytical Chemistry</i> , October 1979, pp. 1251-1264, Vol. 51, No. 12.	
R13			

Examiner Signature		Date Considered	04/10/07
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Substitute for form 1449A/PTO		Complete if Known	
		Application Number	11/039,111
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	January 19, 2005
		First Named Inventor	Richard J. Melker
		Group Art Unit	1743
		Examiner Name	Not yet assigned
		Attorney Docket Number	UF-404XC1
Sheet	1	of	12

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (if known)			
[Handwritten Initials]	U1	3,567,029		03-02-1971	Quame	
	U2	3,792,272		02-12-1974	Harte <i>et al.</i>	
	U3	3,608,546		09-28-1971	Shinn	
	U4	3,649,199		03-14-1972	Littlejohn	
	U5	3,877,291		4-15-1975	Hoppesch <i>et al.</i>	
	U6	3,951,607		04-20-1976	Fraser	
	U7	3,955,926		5-11-1976	Fischer	
	U8	4,150,670		04-24-1979	Jewett <i>et al.</i>	
	U9	4,202,352		05-13-1980	Osborn	
	U10	4,215,409		07-29-1980	Strowe	
	U11	4,312,228		01-26-1982	Wohltjen	
	U12	4,314,564		02-09-1982	Albarda	
	U13	4,334,540		6-15-1982	Preti <i>et al.</i>	
	U14	4,346,584		08-31-1982	Boehringer	
	U15	4,361,026		11-30-1982	Muller <i>et al.</i>	
	U16	4,349,626		9-14-1982	Labows <i>et al.</i>	
	U17	4,399,686		8-23-1983	Kindlund <i>et al.</i>	
	U18	4,432,226		02-21-1984	Dempster	
	U19	4,456,014		06-26-1984	Buck <i>et al.</i>	
	U20	4,534,360		8-13-1985	Williams	
	U21	4,734,777		3-29-1988	Okino <i>et al.</i>	
	U22	4,735,777		04-05-1988	Mitsui <i>et al.</i>	
	U23	4,772,559		9-20-1998	Preti <i>et al.</i>	
	U24	4,796,639		01-10-1989	Snow <i>et al.</i>	
	U25	4,868,545		09-19-1989	Jones	
	U26	4,895,017		1-23-1990	Pyke <i>et al.</i>	
	U27	4,938,928		7-03-1990	Koda <i>et al.</i>	

Examiner Signature	[Handwritten Signature]	Date Considered	04/10/07
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			Filing Date	January 19, 2005	
			First Named Inventor	Richard J. Melker	
			Group Art Unit	1743	
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		Number Code ²	Kind (if known)			
AM	U28	4,992,244		2-12-1991	Grate	
	U29	5,003,985		04-02-1991	White <i>et al.</i>	
	U30	5,034,192		7-23-1991	Wrighton <i>et al.</i>	
	U21	5,042,501		8-27-1991	Kenny <i>et al.</i>	
	U32	5,060,506		10-29-1991	Douglas	
	U33	5,071,770		12-10-1991	Kolesar, Jr.	
	U34	5,081,871		1-21-1992	Glaser	
	U35	5,082,630		01-21-1992	Partin <i>et al.</i>	
	U36	5,094,235		03-10-1992	Westenskow <i>et al.</i>	
	U37	5,111,827	A	05-12-1992	Rantala	
	U38	5,137,692	A	8-11-1992	Fritz	
	U39	5,145,645	A	9-08-1992	Zakin <i>et al.</i>	
	U40	5,167,972	A	12-01-1992	Greenberg <i>et al.</i>	
	U41	5,179,027	A	01-12-1993	Fisher	
	U42	5,252,292	A	10-12-1993	Hirata <i>et al.</i>	
	U43	5,296,706	A	03-22-1994	Braig <i>et al.</i>	
	U44	5,303,575	A	04-19-1994	Brown <i>et al.</i>	
	U45	5,317,156	A	05-31-1994	Cooper <i>et al.</i>	
	U46	5,325,704	A	7-05-1994	Mariani <i>et al.</i>	
	U47	5,351,522	A	10-04-1994	Lura	
	U48	5,361,771	A	11-08-1994	Craine <i>et al.</i>	
	U49	5,409,839	A	04-25-1995	Balestrieri <i>et al.</i>	
	U50	5,425,374	A	06-20-1995	Ueda <i>et al.</i>	
	U51	5,447,165	A	09-05-1995	Gustafsson	
	U52	5,453,359	A	09-26-1995	Gargan <i>et al.</i>	
	U53	5,465,608	A	11-14-1995	Lokshin <i>et al.</i>	
	U54	5,466,700	A	11-14-1995	Batenhorst <i>et al.</i>	
	U55	5,482,601	A	1-09-1996	Ohshima <i>et al.</i>	

Examiner Signature	<i>Neil J.</i>	Date Considered	04/18/07
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MA	U56	5,495,744	A	03-05-1996	Ueda <i>et al.</i>	
	U57	5,501,212	A	03-26-1996	Psaros	
	U58	5,528,924	A	06-25-1996	Wajid <i>et al.</i>	
	U59	5,547,878	A	8-20-1996	Kell	
	U60	5,558,083	A	09-24-1996	Bathe <i>et al.</i>	
	U61	5,560,352	A	10-01-1996	Heim <i>et al.</i>	
	U62	5,634,517	A	06-03-1997	Linden <i>et al.</i>	
	U63	5,573,005	A	11-12-1996	Ueda <i>et al.</i>	
	U64	5,573,955	A	11-12-1996	Khanna <i>et al.</i>	
	U65	5,605,612	A	2-25-1997	Park <i>et al.</i>	
	U66	5,645,072	A	7-08-1997	Thrall <i>et al.</i>	
	U67	5,716,852	A	02-10-1998	Yager <i>et al.</i>	
	U68	5,756,879	A	5-26-1998	Yamagishi <i>et al.</i>	
	U69	5,771,890	A	06-30-1998	Tamada	
	U70	5,776,783	A	07-07-1998	Kell	
	U71	5,783,154	A	7-21-1998	Althainz <i>et al.</i>	
	U72	5,783,449	A	7-21-1998	Kuznetsov	
	U73	5,795,787	A	08-18-1998	Silkoff <i>et al.</i>	
	U74	5,801,297	A	09-01-1998	Mifsud <i>et al.</i>	
	U75	5,826,577	A	10-27-1998	Perroz <i>et al.</i>	
	U76	5,830,412	A	11-03-1998	Kimura <i>et al.</i>	
	U77	5,861,254	A	1-19-1999	Schneider <i>et al.</i>	
	U78	5,891,398	A	04-06-1999	Lewis <i>et al.</i>	
	U79	5,900,552	A	05-04-1999	Chu <i>et al.</i>	
	U80	5,918,257	A	06-29-1999	Mifsud <i>et al.</i>	
	U81	5,925,014	A	07-20-1999	Teeple Jr.	
	U82	5,928,167	A	07-27-1999	Wagner <i>et al.</i>	
	U83	5,932,877	A	08-03-1999	Braig <i>et al.</i>	
	U84	5,945,069	A	08-31-1999	Buehler	
	U85	5,950,630	A	9-14-1999	Portwood <i>et al.</i>	
✓	U86	5,954,685	A	9-21-1999	Tierney	

Examiner Signature	<i>Neil J. ...</i>	Date Considered	09/10/07
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7/11	U87	5,958,896	A	09-28-1999	Renshaw <i>et al.</i>	
	U88	5,962,335	A	10-05-1999	Katzman	
	U89	5,971,937	A	10-26-1999	Ekstrom	
	U90	5,996,586	A	12-07-1999	Phillips	
	U91	6,007,775	A	12-28-1999	Yager	
	U92	6,010,459	A	1-04-2000	Silkoff <i>et al.</i>	
	U93	6,025,200	A	02-15-2000	Kaish <i>et al.</i>	
	U94	6,057,162	A	5-02-2000	Rounbehler <i>et al.</i>	
	U95	6,063,243	A	5-16-2000	Zettl <i>et al.</i>	
	U96	6,067,167	A	5-23-2000	Atkinson <i>et al.</i>	
	U97	6,074,345	A	06-13-2000	Van Oostrom <i>et al.</i>	
	U98	6,085,576	A	7-11-2000	Sunshine <i>et al.</i>	
	U99	6,094,681		07-25-2000	Shaffer <i>et al.</i>	
	U100	6,097,485	A	08-01-2000	Lievan	
	U101	6,120,443	A	09-19-2000	Cohen-Laroque	
	U102	6,131,571	A	10-17-2000	Lampotang <i>et al.</i>	
	U103	6,136,801	A	10-24-2000	Kell	
	U104	6,153,147	A	11-28-2000	Craig	
	U105	6,180,414	B1	01-30-2001	Katzman	
	U106	6,186,977	B1	02-13-2001	Andrews <i>et al.</i>	
	U107	6,190,858	B1	2-20-2001	Persaud <i>et al.</i>	
	U108	6,203,814	B1	3-20-2001	Fisher <i>et al.</i>	
	U109	6,216,690	B1	04-17-2001	Keitel <i>et al.</i>	
	U110	6,221,026	B1	4-24-2001	Phillips	
	U111	6,234,006	B1	05-22-2001	Sunshine <i>et al.</i>	
	U112	6,237,397	B1	05-29-2001	Shinar <i>et al.</i>	
	U113	6,244,096	B1	6-12-2001	Lewis <i>et al.</i>	
	U114	6,248,078	B1	6-19-2001	Risby <i>et al.</i>	
	U115	6,251,082	B1	06-26-2001	Rayburn	
✓	U116	6,261,783	B1	7-17-2001	Jayasena <i>et al.</i>	

Examiner Signature		Date Considered	04/10/07
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		Application Number	11/039,111
		Filing Date	January 19, 2005
		First Named Inventor	Richard J. Melker
		Group Art Unit	1743
		Examiner Name	Not yet assigned
Sheet 5 of 12	Attorney Docket Number	UF-404XC1	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code ²	Kind (if known)			
	U117	6,264,913	B1	07-24-2001	Wagner	
	U118	6,277,081	B1	08-21-2001	Susi <i>et al.</i>	
	U119	6,283,953	B1	09-04-2001	Ayer <i>et al.</i>	
	U120	6,303,316	B1	10-16-2001	Kiel <i>et al.</i>	
	U121	6,305,212	B1	10-23-2001	Drzewiecki	
	U122	6,312,390	B1	11-06-2001	Phillips	
	U123	6,319,724	B1	11-20-2001	Lewis <i>et al.</i>	
	U124	6,328,708	B1	12-11-2001	Georgieff	
	U125	6,341,520	B1	01-29-2002	Satoh <i>et al.</i>	
	U126	6,363,772	B1	4-02-2002	Berry	
	U127	6,387,329	B1	5-14-2002	Lewis <i>et al.</i>	
	U128	6,399,302	B1	6-04-2002	Lannigan <i>et al.</i>	
	U129	6,416,479	B1	07-09-2002	Seidman	
	U130	6,455,319	B1	09-24-2002	Lewis <i>et al.</i>	
	U131	6,467,333	B2	10-22-2002	Lewis <i>et al.</i>	
	U132	6,479,019	B1	11-12-2002	Goldstein <i>et al.</i>	
	U133	6,495,824	B1	12-17-2002	Atkinson	
	U134	6,511,453	B2	01-28-2003	Georgieff	
	U135	6,558,626	B1	05-06-2003	Aker <i>et al.</i>	
	U136	6,589,727	B1	07-08-2003	Kleneman <i>et al.</i>	
	U137	6,597,438	B1	07-22-2003	Cabuz <i>et al.</i>	
	U138	6,599,253	B1	07-29-2003	Baum <i>et al.</i>	
	U139	6,599,281	B1	07-29-2003	Struys <i>et al.</i>	
	U140	6,620,800	B1	09-16-2003	Roberts II	
	U141	6,631,333	B1	10-07-2003	Lewis <i>et al.</i>	
	U142	6,680,377	B1	01-20-2004	Stanton <i>et al.</i>	
	U143	6,727,075	B2	04-27-2004	Fitzgerald <i>et al.</i>	
	U144	6,755,783	B2	06-29-2004	Cosentino <i>et al.</i>	
	U145	2001/0041366	A1	11-15-2001	Lewis <i>et al.</i>	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date	January 19, 2005
		First Named Inventor	Richard J. Melker
		Group Art Unit	1743
		Examiner Name	Not yet assigned
		Attorney Docket Number	UF-404XC1
Sheet	6	of	12

(use as many sheets as necessary)

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		Number Code ²	Kind (if known)			
✓	U146	2001/0021815	A1	09-13-2001	Katzman <i>et al.</i>	
✓	U147	2001/0046674	A1	11-29-2001	Ellington	
✓	U148	2001/0050228	A1	12-13-2001	Jaeger	
✓	U149	2001/0055544	A1	12-27-2001	Copp	
✓	U150	2002/0007687	A1	01-24-2002	Zimmermann <i>et al.</i>	
✓	U151	2002/0007249	A1	01-17-2002	Cranley <i>et al.</i>	
✓	U152	2002/0014236	A1	02-07-2002	Dittmann <i>et al.</i>	
✓	U153	2002/0017300	A1	02-14-2002	Hickle <i>et al.</i>	
✓	U154	2002/0068295	A1	6-06-2002	Madou <i>et al.</i>	
✓	U155	2002/0034757	A1	3-21-2002	Cubicciotti	
✓	U156	2002/0173729	A1	11-21-2002	Viertio-Oja <i>et al.</i>	
✓	U157	2002/0177232	A1	11-28-2002	Melker <i>et al.</i>	
✓	U158	2003/0004426	A1	01-02-2003	Melker <i>et al.</i>	
✓	U159	2003/0059820	A1	03-27-2003	Vo-Dinh	
✓	U160	2003/0008407	A1	01-09-2003	Fu	
✓	U161	2003/0087239	A1	05-08-2003	Stanton <i>et al.</i>	
✓	U162	2003/0139681	A1	07-24-2003	Melker <i>et al.</i>	
✓	U163	2003/0119065	A1	06-26-2003	Lin <i>et al.</i>	
✓	U164	2003/0216660	A1	11-20-2003	Ben-Oren <i>et al.</i>	
✓	U165	2004/0027246	A1	02-12-2004	Aguglia	
✓	U166	2004/0101477	A1	05-27-2004	Leyland-Jones	
✓	U167	2005/0065446	A1	03-24-2005	Talton	
✓	U168	09/708,789 (Application No.)		11-08-2000 (Date Filed)	Lampotang <i>et al.</i>	
	U169					
	U170					

Examiner
Signature


Date

Considered

04/10/07

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	January 19, 2005
		First Named Inventor	Richard J. Melker
		Group Art Unit	1743
		Examiner Name	Not yet assigned
		Attorney Docket Number	UF-404XC1
Sheet	7	of	12

FOREIGN PATENT DOCUMENTS							
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		Code ⁵ Office ³ (known)	Kind Number ⁴ (if				
<i>MD</i>	F1		DE 19607646 (English Abstract)	A1	Muehlenberg <i>et al.</i>	09-11-1997	
	F2		DE 29902593 (English Abstract)		Genzyme Virotech GmbH	08-26-1999	
	F3		EP 0 370 151	A1	L'Air Liquide, S. A.	05-30-1990	
	F4		EP 0 979 997 (English Abstract)	A1	Siemens AG	02-16-2000	
	F5		GB 829,409	A	Governors of the United Birmin	03-02-1960	
	F6		GB 2 309 166	A	Cleansharp Limited	07-23-1997	
	F7		GB 2 329 245	A	Cavkit Limited	03-17-1999	
	F8		JP 08313407 (English Abstract)	A	Suzuki Motor Corp.	11-29-1996	
	F9		JP 09196915 (English Abstract)	A	Otsuka Pharmaceut Co. Ltd.	07-31-1997	
	F10		RU 2104535 C1 (English Abstract)		Kogan <i>et al.</i>	02-10-1998	
	F11		WO 87/02773	A1	Autosense Corp.	05-07-1987	
	F12		WO 92/10749	A1	Novapure Corporation	06-25-1992	
	F13		WO 95/08113	A1	Alpha M.O.S.	03-23-1995	
	F14		WO 95/31718	A1	Forschungszentrum Karlsruhe GmbH	11-23-1995	
	F15		WO 98/57145	A1	Quadrivium, L.L.C.	12-17-1998	
	F16		WO 99/12471	A3	Oridion Medical Ltd.	03-18-1999	
	F17		WO 99/66304	A1	California Institute of Technology	12-23-1999	
<i>MD</i>	F18		WO 00/25108	A1	Copp Life Systems	05-04-2000	

Examiner Signature	<i>[Signature]</i>	Date Considered	04/10/07
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		Code ⁵ Office ³ known)	Kind Number ⁴ (if				
MP	F19		WO 00/67820	A1	Aneo AB	11-16-2000	
	F20		WO 00/79243	A1	Cyrano Sciences, Inc.	12-28-2000	
	F21		WO 01/34024	A1	University of Florida	05-17-2001	
	F22		WO 01/93743	A2	Healthtech, Inc.	12-13-2001	
	F23		WO 2002/079514	A1	The Trustees of Boston College	10-10-2002	
	F24		WO 03/016901	A1	Samsung Electronics Co., Ltd.	02-27-2003	
	F25		WO 03/045473	A1	Mufa Ag	06-05-2003	
	F26		WO 2004/065404	A1	University of Florida Research Foundation, Inc.	08-05-2004	
	F27						
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OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
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	R1	BALLANTINE, D. S. <i>et al.</i> , "Surface Acoustic Wave Devices for Chemical Analysis," <i>Anal. Chem.</i> (1989), Volume 61, number 11, pages 704A-712A.	
	R2	BRODY, E. N. <i>et al.</i> , "Aptamers as Therapeutic and Diagnostic Agents," <i>Reviews in Molecular Biotechnology</i> (2000), Volume 74, pages 5-13.	
	R3	BRODY <i>et al.</i> "The use of Aptamers in Large Arrays for Molecular Diagnostics," <i>Molecular Diagnosis</i> (1999), Volume 4, number 4, pages 381-388.	
	R4	CHANDIOK, S. <i>et al.</i> "Screening for Bacterial Vaginosis: A Novel Application of Artificial Nose Technology," <i>Journal of Clinical Pathology</i> (1997), Volume 50, pages 790-791.	
	R5	DICKINSON, T. A. <i>et al.</i> , "Current Trends in 'Artificial-Nose' Technology," <i>Tib Tech</i> , 1998, 16:250-258.	
	R6	FANG, M. <i>et al.</i> "Detection of Organic Chemicals by SAW Sensor Array," <i>Sensors and Actuators</i> (1999), Volume B56, pages 155-157.	
	R7	FISHER <i>et al.</i> "A man-portable chemical sniffer utilizing Novel Fluorescent polymers for detection of ultra-trace concentrations of explosives emanating from landmines," <i>Nomadics Inc.</i> (2000), PAGES 1-10.	
	R8	FRAUENDORF <i>et al.</i> , "Detection of Small Organic Analytes by Fluorescing Molecular Switches," <i>Bioorganic & Medicinal Chemistry</i> 9, (2001), pp. 2521-2524.	
	R9	FUJITA <i>et al.</i> , "A Simple Method for Detecting Plasma Propofol," <i>Anesth. Analog.</i> , 2000, 90:1452-1454.	
	R10	GANGA-ZANDZOU, P.S. <i>et al.</i> "A 13C-urea breath test in children with Helicobacter pylori infection: validity of the use of a mask to collect exhaled breath sample," <i>Acta. Paediatr.</i> (2001), Volume 90, pages 232-233.	
	R11	GRATE, JW <i>et al.</i> "Determination of Partition Coefficients from Surface Acoustic Wave Vapor Sensor Responses and Correlation with Gas-Liquid Chromatographic Partition Coefficients," <i>Anal. Chem.</i> (1998), Volume 60, pages 869-875.	

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A	R12	GROVES, W. <i>et al.</i> "Analyzing organic vapors in exhaled breath using a surface acoustic wave sensor array with preconcentration: Selection and characterization of the preconcentrator absorbent," <i>Analytica Chimica Acta</i> (1998), Volume 371, pages 131-143.	
	R13	HAMMON III, W. S. <i>et al.</i> , "Forensic GPR: Finite-Difference Simulations of Responses From Buried Human Remains," <i>Journal of Applied Geophysics</i> , (2000), 45:171-186.	
	R14	HANSON III, C.W. <i>et al.</i> "The use of a novel 'Electronic Nose' to diagnose the presence of intrapulmonary infection," <i>Anesthesiology</i> (1997), Volume 87, number 3A, abstract A269.	
	R15	HONG, C. <i>et al.</i> , "Carbon Nanotube-Enhanced Electrochemical DNA Biosensor for DNA Hybridization Detection" (2003), <i>Anal. Bioanal. Chem.</i> , 375:287-293.	
	R16	HUANG <i>et al.</i> , "Depth of Anesthesia Estimating & Propofol Delivery System," Aug. 1, 1996, http://www.rpi.edu/~royr/roy_descpt.html .	
	R17	JAYASENA, "Aptamers: An Emerging Class of Molecules That Rival Antibodies in Diagnostics," <i>Clinical Chemistry</i> , 1999, 45(9):1628-1650.	
	R18	KENNY, "Target-Controlled Infusions—Pharmacokinetic and Pharmacodynamic Variations," http://www.anaesthesiologie.med.uni-erlangen.de/esctaic97/a_kenny.htm .	
	R19	KUIPERS <i>et al.</i> , "First-pass Lung Uptake and Pulmonary Clearance of Propofol," <i>Anesthesiology</i> , (1999), 91:1780-1787.	
	R20	LIEBICH <i>et al.</i> "Volatile Substances in Blood Serum: a Profile Analysis and Quantitative Determination," <i>Journal of Chromatography</i> (1977), Volume 142, pages 505-516.	
	R21	MILLER III, E. R. <i>et al.</i> , "Association Between Cigarette Smoking and Lipid Peroxidation in a Controlled Feeding Study," <i>Circulation</i> , (1997), 96(4):1097-1101.	
	R22	MUELLER <i>et al.</i> "Experience in mass spectrometric identification in acute poisoning," <i>Beitr. Diagn. Ther. Akuter. Intox., Vortr. Symp. 4th</i> (1982), pages 126-134, ABSTRACT ONLY.	

Examiner Signature	<i>Mark J.</i>	Date Considered	04/10/07
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	11/039,111
		Filing Date	January 19, 2005
		First Named Inventor	Richard J. Melker
		Group Art Unit	1743
		Examiner Name	Not yet assigned
		Attorney Docket Number	UF-404XC1
Sheet	11	of	12

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>RM</i>	R23	PANTAROTTO D. <i>et al.</i> , "Synthesis, Structural Characterization, and Immunological Properties of Carbon Nanotubes Functionalized with Peptides" (2003), <i>J. Am. Chem. Soc.</i> , 125:6160-6164.	
	R24	PARRY, A.D. <i>et al.</i> "Leg Ulcer Odour Detection Identifies β -haemolytic Streptococcal Infection," <i>Journal of Wound Care</i> (1995), Volume 4, number 9, pages 404-406.	
	R25	PAVLOU and TURNER. "Sniffing out the truth: Clinical Diagnosis Using the Electronic Nose," <i>Clin. Chem. Lab. Med.</i> (2000), Volume 38, number 2, pages 99-112.	
	R26	PERRI, F. "Diagnosis of <i>Helicobacter pylori</i> infection: which is best? The urea breath test," <i>Dig. Liver. Dis.</i> (2000), Volume 32, Supp. 3, pages S196-198.	
	R27	PHILLIPS, M., "Breath Tests in Medicine," <i>Scientific American</i> , 1992, pages 52-57.	
	R28	Pilar Kraman, "Prescription Drug Diversion," <i>Trends Alert</i> provided by the Council of State Government at www.csg.org (April 2004).	
	R29	ROGERS <i>et al.</i> "Fiber-optic biosensors based on total internal-reflection fluorescence," <i>American Chemical Society</i> (1992), Ch. 13, pages 165-173.	
	R30	STOJANOVIC, M. N. <i>et al.</i> , "Aptamer-Based Folding Fluorescent Sensor for Cocaine," <i>J. Am. Chem. Soc.</i> , 123:4928-4931, (2001).	
	R31	STUART, B. H. <i>et al.</i> , "Studies of Adipocere Using Diffuse Reflectance Infrared Spectroscopy," <i>Vibrational Spectroscopy</i> , 24:233-242, (2000).	
	R32	STUBBS, D. D. <i>et al.</i> , "Investigation of Cocaine Plumes Using Surface Acoustic Wave Immunoassay Sensors," <i>Anal. Chem.</i> , 75:6231-6235, (2003).	
<i>↓</i>	R33	TRACQUI, A. <i>et al.</i> "Systematic Toxicological Analysis Using HPLC/DAD," <i>Journal of Forensic Sciences</i> (1995), Volume 40, Number 2, pages 254-262.	

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	R34	U.S. FOOD AND DRUG ADMINISTRATION, "FDA White Paper, Protecting the Public Health: FDA Pursues and Aggressive Enforcement Strategy," www.fda.gov/oc/whitepapers/enforce.html (06-30-2003).	
	R35	U.S. FOOD AND DRUG ADMINISTRATION, "New FDA Initiative to Combat Counterfeit Drugs," www.fda.gov/oc/initiatives/counterfeit/background.html (07-02-2004).	
	R36	UNITED STATES DEPARTMENT OF JUSTICE, "Review of the Drug Enforcement Administration's (DEA) Control of the Diversion of Controlled Pharmaceuticals," Report Number I-2002-010 www.usdoj.gov/oig/inspection/DEA/0210/background.htm (September 2002).	
	R37	WOHLTJEN, H. <i>et al.</i> "Vapor Detection with Surface Acoustic Wave Microsensors," <i>Chemical Sensors and Microinstrumentation</i> (1989), pages 157-175.	
	R38	VASS, A., "Beyond the Grave – Understanding Human Decomposition," <i>Microbiology Today</i> , Nov. 2001, 28:190-192.	
	R39	VASS, A. <i>et al.</i> , "Decomposition Chemistry of Human Remains: A New Methodology for Determining the Postmortem Interval," <i>J. Forensic Sci.</i> , (2002), 47(3):542-553.	
	R40	VASS, A. <i>et al.</i> , "Detection of Buried Human Remains Using Bioreporter Fluorescence," U.S. Dept. of Energy Report, Y/NSP-726 (2001).	
	R41		
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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANT(S): Samsun Lampotang et al.	
		FILING DATE: November 26, 2003	GROUP ART UNIT 2684

U.S. PATENT DOCUMENTS


EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLA SS	FILING DATE IF APPROPRIATE
	AA	4 3 1 2 2 2 8	1/82	Wohljen	73/597		
	AB	4 8 9 5 0 1 7	1/90	Pyke et al.	73/23		
	AC	4 9 3 8 9 2 8	7/70	Koda et al.	422/98		
	AD	4 9 9 2 2 4 4	2/91	Grate	422/98		
	AE	5 0 3 4 1 9 2	7/91	Wrighton	422/82.0 2		
	AF	5 0 4 2 5 0 1	8/91	Kenny et al.	128/719		
	AG	5 0 7 1 7 7 0	12/91	Kolesar, Jr.	436/151		
	AH	5 1 3 7 6 9 2	8/92	Fritz	422/81		
	AI	5 1 4 5 6 4 5	9/92	Zakin et al.	422/98		
	AJ	5 1 7 9 0 2 7	1/93	Fisher	436/56		
	AK	5 2 5 2 2 9 2	10/93	Hirata et al.	422/98		
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	AM	5 6 0 5 6 1 2	2/97	Park et al.	204/429		
	AN	5 7 5 6 8 7 9	5/98	Yamagishi et al.	73/28.01		
	AO	5 7 7 1 8 9 0	6/98	Tamada	128/635		
	AP	5 7 7 6 7 8 3	7/98	Kell	436/111		
	AQ	5 7 8 3 1 5 4	7/98	Althainz et al.	422/97		
	AR	5 8 3 0 4 1 2	11/98	Kimura et al.	422/90		
	AS	5 7 9 5 7 8 7	8/98	Silkoff et al.	436/118		
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	AV	5 9 5 0 6 3 0	9/99	Portwood et al.	128/397		
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	AX	6 0 1 0 4 5 9	1/00	Silkoff et al.	600/532		
	AY	6 1 3 6 8 0 1	10/00	Kell	514/220		

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INFORMATION DISCLOSURE STATEMENT	Application/Control No. 10/722,620	Applicant(s)/Patent Under Reexamination LAMPOTANG ET AL	
	Examiner (not yet assigned)	Art Unit 2684	Page 3 of 3

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
<input checked="" type="checkbox"/>	A	US-5,167,972	12-1992	Greenberg et al.	428/3
<input checked="" type="checkbox"/>	B	US-5,409,839	04-1995	Balestrieri et al.	436/56
<input checked="" type="checkbox"/>	C	US-6,025,200	02-2000	Kaish et al.	436/56
<input checked="" type="checkbox"/>	D	US-6,237,397	05-2001	Shinar et al.	73/24.06
<input checked="" type="checkbox"/>	E	US-6,283,953	09-2001	Ayer et al.	604/392.1
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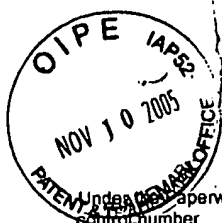
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			Filing Date	November 26, 2003	
			First Named Inventor	Richard J. Melker	
			Art Unit	2684	
			Examiner Name	Not yet assigned	
Sheet	1	of	1	Attorney Docket Number	UF-246XCD1

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	U1	US- 5,571,401 A	11-05-1996	Lewis et al.	All
	U2	US- 5,866,434 A	02-02-1999	Massey et al.	All
	U3	US- 6,598,459 B1	07-29-2003	Fu	All
	U4	US-			
	U5	US-			
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	U7	US-			
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